

Abstract:

A single probe collects link state routing protocol data for two or more areas. The areas may be located within one autonomous system or
5 divided among multiple autonomous systems. Each autonomous system operates pursuant to a link state routing protocol. A router in each area is selected to share its link state routing protocol data with the probe. A logical connection is established between each selected router and the probe. The probe will begin the process of obtaining the routing information by
10 creating an adjacency or partial adjacency with each selected router. The probe will receive link state routing protocol data from each selected router once adjacency is established. Alternatively a router in each area to be monitored is selected, and the probe polls the selected routers periodically for the appropriate SNMP MIB tables. The probe decodes the MIB data to
15 obtain the link state routing protocol data.